

5m (16ft) MTP/MPO Fiber Optic Cable, 16F Type-B, OS2 Single Mode MTP/APC Female Fiber Patch Cable, 9/125m, OFNP Plenum, MTP-16 Fiber Jumper Cord

**Product ID:** OS2MTP16BOFNP5M



This OS2 MTP/MPO single mode fiber cable supports high-density 40G and 100G connections between switches and servers, helping reduce cable bulk and simplify routing across data hall racks. The 16-fiber design supports high-speed MTP/MPO connectivity for multi-fiber network applications.

Constructed with OS2 9/125m laser-optimized Corning glass, this cable delivers consistent high-bandwidth transmission for long-distance data center and backbone links. Type-B polarity MTP Elite connector maintains proper transmit/receive alignment for multi-lane connections, ensuring reliable performance without additional crossover components. Each cable is individually tested for signal integrity.

The OFNP plenum-rated jacket meets strict fire and low-smoke requirements, making it suitable for routing through air-handling spaces in commercial and enterprise environments, including data center and in-wall pathways.

Designed for use with structured MTP/MPO systems, including multi-fiber trunks, cassettes, and patching setups, this cable supports scalability for growing fiber networks and straightforward migration between 10G, 40G, and 100G infrastructure. The 16-fiber format enables high-density connectivity while reducing overall cable count for cleaner, more efficient installations.

## Certifications, Reports and Compatibility



## Applications

- Scale your Enterprise and Hyperscale network with high-density MTP/MPO cabling built for 10/40/100G data hall and edge deployment

- Connect QSFP+ and QSFP28 switches, fiber distribution panels, and AI cluster infrastructure with high-density MTP/MPO fiber cabling
- Enable reliable multifiber links over OS2 single mode for scalable backbone deployments

## Features

- Enable High-Density 100G Deployments: Support 100G switch uplinks and server connectivity with 16-fiber OS2 MTP/MPO cabling, optimized for scalable 40G/100G fiber architectures in high-density AI cluster interconnects and data hall deployments
- Rated for Plenum Installations: Route through overhead and air-handling spaces with an OFNP Plenum-rated jacket designed to meet strict fire and low-smoke requirements; Yellow cable jacket is TIA-standardized for clear identification in OS2 fiber runs
- Ensure Correct Fiber Polarity: Type-B MTP Elite connector configuration reverses fiber positions to align transmit and receive paths automatically, supporting reliable QSFP28 high-speed interconnects without additional crossover components
- Optimize Structured Fiber Infrastructure: Consolidate multiple OS2 runs into a high-density 16-fiber MTP/MPO backbone made with high quality Corning glass to simplify cable management, improve scalability, and support evolving 40G and 100G architectures
- The IT Pro's Choice: Designed for edge, enterprise, and hyperscale data center deployments, our fiber optic cables are lab-tested and field-proven for reliable performance and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance

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### General

|          |              |
|----------|--------------|
| UPC      | 065030931595 |
| Warranty | Lifetime     |

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### Physical & Environmental

|                       |                         |
|-----------------------|-------------------------|
| Color                 | Yellow                  |
| Cable Length          | 16.4 ft [5 m]           |
| Product Length        | 16.4 ft [5 m]           |
| Product Width         | 0.6 in [14 mm]          |
| Product Height        | 0.3 in [7 mm]           |
| Weight of Product     | 1.7 oz [48 g]           |
| Operating Temperature | 0C to 70C (32F to 158F) |

Storage Temperature -20C to 70C (-4F to 158F)

Humidity 0~90% RH

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#### Hardware

Fiber Cable Type Multifiber

Fiber Size 9/125

Fiber Classification OS2

Cable Type Straight-Through

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#### Packaging & In-the-Box

Included in Package 1 - MTP/MPO-16 Fiber Optic Cable

Package Width 9.1 in [23 cm]

Package Depth 7.1 in [18 cm]

Package Height 0.6 in [15 mm]

Shipping (Package) Weight 0.4 oz [11.2 g]

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#### Connector(s)

Connector 1 (Quantity) 1

Connector 1 MPO / MTP Fiber

Connector 2 (Quantity) 1

Connector 2 MPO / MTP Fiber

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***\*Product appearance and specifications are subject to change without notice.***